

I. Amendments to the Claims

44. Recombinant host cells which each harbor a nucleic acid fragment encoding a member of a specific binding pair ~~member~~ whereby the host cells collectively harbor a library of nucleic acid fragments comprising fragments encoding a genetically diverse population of specific binding pair members, each specific binding pair member being expressed as a fusion with a gene III coat protein surface component of a filamentous bacteriophage so that said members of specific binding pairs comprise a binding domain for its complementary specific binding pair member and members are displayed on the surface of bacteriophage particles and ~~comprise a binding domain for its complementary specific binding pair member~~, and genetic material of each said bacteriophage particle displaying a member of a specific binding pair ~~member~~ encodes its associated displayed member of a specific binding pair ~~members~~, said genetic material being a phagenid genome which is plasmid nucleic acid containing a single stranded phage replication origin and a nucleotide sequence encoding said fusion and wherein said genetic material is packaged into particles by a helper phage whereby each particle has a coat partially derived from the helper phage and partly from said fusion.
45. Recombinant host cells according to claim 44 wherein said genetically diverse population is derived from in vitro mutagenesis of nucleic acid encoding a member of a specific binding pair ~~member~~.
46. Recombinant host cells according to claim 45 wherein said member of a specific binding pair ~~member~~ comprises a binding domain of an immunoglobulin.
47. Recombinant host cells according to claim 44 wherein said member of a specific binding pair ~~member~~ comprises a binding domain of an immunoglobulin.
48. Recombinant host cells according to claim 47 wherein said genetically diverse population is derived from the repertoire of rearranged immunoglobulin genes of an animal immunized with complementary specific binding pair member.
49. Recombinant host cells according to claim 47 wherein said genetically diverse population is derived from the repertoire of rearranged immunoglobulin genes of an animal not immunized with complementary specific binding pair member.
50. Recombinant host cells according to claim 46 wherein said member of a specific binding pair ~~member~~ is a scFv molecule.
51. Recombinant host cells according to claim 47 wherein said member of a specific binding pair ~~member~~ is a scFv molecule.

52. Recombinant host cells according to claim 48 wherein said member of a specific binding pair ~~member~~ is a scFv molecule.
53. Recombinant host cells according to claim 49 wherein said member of a specific binding pair ~~member~~ is a scFv molecule.